

Figure 1A

SEQ ID NO:17	1	MDTTIDGF-----ADSYEISSTSFVATDNTDSSIVYLA---AEQVL	60
SEQ ID NO: 2		-----	
SEQ ID NO: 8		-----	
SEQ ID NO:10		MEPPTSHV-----TNAFSDSDSASVEEGADA-----DA-	
SEQ ID NO: 4		-----	
SEQ ID NO:16		MPARSVVVIAMEPSSSITIIASSSSYLSNGSSPCSVSLAPPGAGAVAAQAA	
SEQ ID NO:12		-----	
SEQ ID NO: 6		-----	
SEQ ID NO:14		-----	
		*	

SEQ ID NO:17	61	-----DVSALQLLSNFESVFDSPDDF--YSDAKLVLS	120
SEQ ID NO: 2		-----EVSF	
SEQ ID NO: 8		-----	
SEQ ID NO:10		-----DVEALRLSDNLAAAFRSPEDFAFLADARIAVPGGGGGD	
SEQ ID NO: 4		-----	
SEQ ID NO:16		GGGGGGGGSSSVEVSVLNRLSANLERLLDSD-----LDCSDADVDVADGGPPV	
SEQ ID NO:12		-----	
SEQ ID NO: 6		-----	
SEQ ID NO:14		-----	
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Figure 1B

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121                               180
SEQ ID NO:17 VLSARSSFFKSALA--AAKKEKDSNNTAAV-----KLELKEI----AKDYEVG
SEQ ID NO: 2 -----
SEQ ID NO: 8 -----
SEQ ID NO:10 VLSARSPFLRGVFARRAAAAAGGGEDGGE-----RLELRELLGGGEEVEVG
SEQ ID NO: 4 -----
SEQ ID NO:16 ILAARSTFFYNLFAARGRGDGAAGGGGGGGGGTGGRPYKMEELVPGG---RVG
SEQ ID NO:12 -----
SEQ ID NO: 6 -----
SEQ ID NO:14 -----
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181                               240
SEQ ID NO:17 FDSVVTVLAYVYSSRVRRPPPKGVSECADENCCHVACRPVDFMLEVLYLAFIFKIPELIT
SEQ ID NO: 2 -----
SEQ ID NO: 8 -----
SEQ ID NO:10 YEALRLVLDYLYSGRVGDLPKAACLCVDEDCAHVVGCHPAVAFMAQVLFAASTFQVAELTN
SEQ ID NO: 4 -DAFLSLLGYYLTGKLRPAPDDVVSCADPMCPHDSCPPAIRFNVEQMYAAWAFKITELIS
SEQ ID NO:16 RDAFLSLLGYYLTGKLRPAPDDVVSCADPMCPHDSCPPAIRFNVEQMYAAWAFKITELIS
SEQ ID NO:12 -DAFLSLLGYYLTGKLRPAPDDVVSCADPMCPHDSCPPAIRFNVEQMYAAWAFKITELIS
SEQ ID NO: 6 -----
SEQ ID NO:14 -----
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Figure 1C

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241
SEQ ID NO:17  LYQRHLLDVVDKVVIEDTLVILKLANICGKACMKLLDRCKEIIIVKSNVDMVSLKSLPEE 300
SEQ ID NO: 2  -----
SEQ ID NO: 8  -----
SEQ ID NO:10  LFQRRLLDVLDKVEVDNLLILSVANLCNCKMKLLERCLDMVVRNLDMITLEKSLPPD
SEQ ID NO: 4  LFQRRLLNFVDKTLVEDVLPILQVA-----
SEQ ID NO:16  LFQRRLLNFVDKTLVEDVLPILQVAFHSELT--PVLEKCIIRRIARSNLDNVSLDKELPPE
SEQ ID NO:12  LFQRRLLNFVDKTLVEDVLPILQVAFHSELT--PVLEKCIIRRIARSNLDNVSLDKELPPE
SEQ ID NO: 6  -----
SEQ ID NO:14  -----
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301
SEQ ID NO:17  L---VKEIIDRRKELGLEVPVKV---KHVSNVHKALDSDDDIELVKLLLKEDHTNLDDAC 360
SEQ ID NO: 2  -----VRRMRRALDAADIELVKLMVMGEGLDLDAAL
SEQ ID NO: 8  -----PVHEKRVRIHRALDSDDDVELVKLLLNESDITLDDAN
SEQ ID NO:10  V---IKQIIDARLSGLISPENKGFNKHVRIHRALDSDDDVELVRMLLTEGQTNLDDAF
SEQ ID NO: 4  -----
SEQ ID NO:16  VAVQIKEIRKQSQPNEGDTVISDPVHEKRVRIHRALDSDDDVELVKLLNESEITLDDAN
SEQ ID NO:12  VAVQIKEIRKQSQPNEGDTVISDPVHEKRVRIHRALDSDDDVELVKLLNESEITLDDAN
SEQ ID NO: 6  -----
SEQ ID NO:14  -----
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Figure 1D

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361                               420
SEQ ID NO:17  ALHFAVAYCNVKTATDLLKDLADVNHRNPRGYTVLHVAAMRKEPQLILSLLKGAASE
SEQ ID NO: 2  AVHYAVQHCGRDVVKALLEGAADVN-----
SEQ ID NO: 8  ALHYAASYCDPKVVVSELLDLAMANINLNKNSRGYTAHLAAMRREPAILMCLLNKGANVSQ
SEQ ID NO:10  ALHYAVEHCDSKITTELLDLALADVNHRNPRGYTVLHIAARRREPKIIVSLLTKGARPAD
SEQ ID NO: 4  -----
SEQ ID NO:16  ALHYAAAAYCDSKVVSSELLDLRLANLNKNSRGYTAHLAAMRREPAILMCLLNKGAAVSQ
SEQ ID NO:12  ALHYAAAAYCDSKVVSSELLDLRLANLNKNSRGYTAHLAAMRREPAILMCLLNKGAAVSQ
SEQ ID NO: 6  -----
SEQ ID NO:14  -----
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421                               480
SEQ ID NO:17  ATLEGRTALMIAKQATMAVECNNIPEQCKHSLKGRLCVEILLEQEDKREQIPRDVPPSFV
SEQ ID NO: 2  -----
SEQ ID NO: 8  LTADGRSAIGICRRLTRAKDYNTKMEQGQESNKKDRLCIDILEREMMRNPMAVEDAVTSPL
SEQ ID NO:10  VTFDGRKAVQISKRLTKQGDYFGVTEEGKPSPKDRLCIEILLEQAERRDPQLGEASVSLAM
SEQ ID NO: 4  -----
SEQ ID NO:16  LTADGQSAMSI CRRLTRMKDYN TKMEQGQESNKKDRLCIDILDRMIRKPMAVEDSVTSPL
SEQ ID NO:12  LTADGQSAMSI CRRLTRMKDYN TKMEQGQESNKKDRLCIDILDRMIRKPMAVEDSVTSPL
SEQ ID NO: 6  -----QGQESNKDXMCIDILEREMMRNPMATAEDSVTSPL
SEQ ID NO:14  -----EQGQESNKDRMCIDILEREMMRNPMATAEDSVTSPL
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Figure 1E

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481
SEQ ID NO:17 AAEELKMTLLDLENRVALAQRLEFTEAQAAMEIAEMKGTCEFIVTSLEPDRLTGTKRTSP 540
SEQ ID NO: 2 -----
SEQ ID NO: 8 LADDLHMKLLYLENRVAFARLFFPAEAKVAMQIAQADTTEFG-GIVAVAASTSGKLREV
SEQ ID NO:10 AGESLRGRLLYLENRVALARIMFPMEARVAMQIAQVDGTLFNLGS-GANPPPERQRTTV
SEQ ID NO: 4 -----
SEQ ID NO:16 LADDLHMKLLYLENRVAFARLFFPAEAKVAMQIAQADTTPEFG---IVPAASTSGKLKEV
SEQ ID NO:12 LADDLHMKLLYLENRVAFARLFFPAEAKVAMQIAQADTTPEFG---IVPAASTSGKLKEV
SEQ ID NO: 6 LADDLHMKLSYLENRVAFARLFFPAE-----
SEQ ID NO:14 LADDLHMKLSYLENRVAFARLFFPAEAKVAMQIAQADVTPEVG-GFSA--ASTSGKLREV
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541
SEQ ID NO:17 GVKIAPFRILEEHQSRLLKALSKTVELGKRFFPRCSAVLDQIMN---CEDLTQLACGEDDT 600
SEQ ID NO: 2 -----
SEQ ID NO: 8 DLNETPVTQNKRLRSRVDALMKTVELGRRYFPNCQVLDKFLEDDLPEGLDQFYLQRGTA
SEQ ID NO:10 DLNESPFIKKEEHLARMTALSKTVELGKRFFPRCSNVLDKIMD---DETDVPSLGRDTS
SEQ ID NO: 4 -----
SEQ ID NO:16 DLNETPVTQNKRLRSRVDALMKTVELGRRYFPNCQVLDKFLEDDLPSDPDALDLQNGTS
SEQ ID NO:12 DLNETPVTQNKRLRSRVDALMKTVELGRRYFPNCQVLDKFLEDDLPSDPDALDLQNGTS
SEQ ID NO: 6 -----
SEQ ID NO:14 DLNETPVTQNKRLRSRVDALAKTVELGRRYFPNCQVLDKFLEDDLPGDGLDAFQQQSGTP

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Figure 1F

SEQ ID NO:17	AEKRLQKKORYMEIQETLKKAFSEDNLELGNSSSLTDSTSTSKSTGGKRSNRKLSHRRR	601
SEQ ID NO: 2	-----SR	
SEQ ID NO: 8	DEQKV-KRMRFCELKEDVLKAFSKDKAEGSVFGLSSSSCS-----PPQKYAQR--	
SEQ ID NO:10	AEKR-----KRFHDLQDVLQKAFHEDKEENDRSGLSSSSSTS--IGAIRP-----RR	
SEQ ID NO: 4	-----	
SEQ ID NO:16	DEQNV-KRMRFCELKEDVRKAFSKDRADNSMFSILSSSSSS-----PPKVAKK--	
SEQ ID NO:12	DEQNV-KRMRFCELKEDVRKAFSKDRADNSMFSILSSSSSS-----	
SEQ ID NO: 6	-----	
SEQ ID NO:14	DEQQV-KKMRFCEVKEDVRKAYSKDTADNSMFSALSSNSSSS-----	
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